

**"Maximum Performance in
Any Condition!"**

NAFEG Aerosol Fire Extinguishers



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General Description

The NAFEG Aerosol Fire Extinguisher family is engineered to suppress and neutralize Class A (solid fuel), Class B (liquid fuel), Class C (gas fuel), and Class E (electrical) fires within enclosed volumes.

Following the calculation of the required extinguishing agent concentration and the protected volume, the appropriate NAFEG unit is selected. The solid NRECM agent and the number of cylinders are then determined accordingly. NAFEG extinguishers provide mission-ready solutions with electrical, mechanical, and combined activation configurations.

Activation Types

Activation Type	Operational Description
Electrical Activation	Interfaces with the control unit via a military-grade connector. Activated by fire signals transmitted from UVIR / Thermal Fire Detection Sensors manufactured by NERO Industry. Remote manual activation capability is also available.
Mechanical Activation (NAFEG-TD)	Operates as a fully autonomous system with no electrical requirement. Integrated thermal sensor/actuator detects fire at selectable trigger points (57°C, 68°C, 79°C, 93°C, 141°C, 180°C) and activates the agent mechanically.
Combined Mechanical & Electrical Activation (NAFEG-TED)	A hybrid solution merging both systems. Provides automatic detection-suppression through its thermal actuator, while also enabling remote activation via control unit connection and military connector.

Specification	NAFEG	NAFEG-TD	NAFEG-TED
Agent Charge (g)	125 / 250 / 500	125 / 250 / 500	125 / 250 / 500
Product Codes	NE-Z-1125, NE-Z-1250, NE-Z-1500	NE-Z-2125, NE-Z-2250, NE-Z-2500	NE-Z-3125, NE-Z-3250, NE-Z-3500
Activation Method	Electrical	Manual - Mechanical	Electrical + Manual + Mechanical
Discharge Time	4-6 sec	4-6 sec	4-6 sec
Discharge Range	2 m	2 m	2 m
Activation	1.2 A - 24V DC	Pin-assisted, predetermined temperature	1.2 A - 24V DC + Pin-assisted, predetermined temperature
Operating Temp.	-40°C to +120°C	-40°C to +120°C	-40°C to +120°C
Power Requirement	1.2 A @ 3 ms	None	1.2 A @ 3 ms
Dimensions (mm)	Ø88 x H188, Ø88 x H202, Ø88 x H295	Ø88 x H188, Ø88 x H209, Ø88 x H345	Ø88 x H188, Ø88 x H251, Ø88 x H345
Weight (g ±10)	1500 / 2200 / 3100	1510 / 2210 / 3110	1570 / 2300 / 3240
Cylinder Volume (L)	1.25 / 2.5 / 5	1.25 / 2.5 / 5	1.25 / 2.5 / 5
Detection Options	-	57°C, 68°C, 79°C, 93°C, 141°C, 180°C	57°C, 68°C, 79°C, 93°C, 141°C, 180°C
Protection Rating	IP67 (optional)	IP67 (optional)	IP67 (optional)

Product Model	Activation Type	Suppression Volume	Discharge Time	Operating Temp.	Weight / Dimensions	Power Requirement	Other / Advantages
ARES (Pyrex)	Pyrotechnic + UV-IR + Control Unit	~1.2 m³ (1 kg)	~5 s	-55°C / +71°C	5-18 kg; 42 bar pressure	-	Certified to MIL-STD, UL, CE, GOST-R
NAFEG - Electrical	Electrical (1.2 A, 24 V)	Models: 1.25 / 2.5 / 5 m³	4-6 s	-40°C / +120°C	~1.5 kg; 132 mm height (NAFEG-125)	1.2 A @ 24 V (activation ~3 ms)	Optional IP67; remotely controlled via electrical signal
NAFEG-TD (Mechanical)	Mechanical thermal sensor (57-180°C)	~1.25 m³ (125 g) + other volumes	4-6 s	-40°C / +180°C	~1.8 kg; 172 mm height	None	Operates without electricity; autonomous; cost-effective; wide temperature range

